



Atty. Dkt. No. 037768-0137

TG

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tapesh YADAV et al.

Title: PRINTING INKS AND REAGENTS FOR  
NANOELECTRONICS AND CONSUMER  
PRODUCTS

Appl. No.: 10/679,611

Filing Date: 10/06/2003

Examiner: Jerry A. LORENGO

Art Unit: 1755

Conf. No. 3294

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.56

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of the documents to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR § 1.56. A copy of each non-U.S. patent document and each non-patent document is being not submitted but the IDS complies with the provisions of 37 CFR § 1.97 and § 1.98 as these documents were cited in one or more parent applications upon which the present application claims the benefit of under 35 U.S.C. § 120-21.

This U.S. Application, 10/679,611, was filed 10-06-2003, and

This application is a Divisional of application number 10/441,583, filed 05-20-2003,

Which is a Divisional of application number 09/790,036, filed 02-20-2001, now U.S. Patent 6,933,331,

Which is a Continuation-in-part of application number 09/753,806, filed 01-03-2001, now U.S. Patent 6,513,362,

Which is a Division of application number 09/083,893, filed 05-22-1998, now U.S. Patent 6,228,904,

Atty. Dkt. No. 037768-0137

Which is a Division of application number 09/074,534, filed 05-07-1998, now U.S. Patent 6,202,471,

Which is a Continuation-in-part of application number 08/739,257, filed 10-30-1996, now U.S. Patent 5,905,000,

Which is a Continuation-in-part of application number 08/730,661, filed 10-11-1996, now U.S. Patent 5,952,040,

Which is a Continuation-in-part of application number 08/706,819, filed 09-03-1996, now U.S. Patent 5,851,507,

Which is a Continuation-in-part of application number 08/707,341, filed 09-03-1996, now U.S. Patent 5,788,738.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP § 609.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

Atty. Dkt. No. 037768-0137

**FEE**

A credit card payment form in the amount of \$180.00 is enclosed in accordance with 37 CFR §1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00.

Respectfully submitted,

Date 09-12-2007  
FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 295-4166  
Facsimile: (202) 672-5399

By   
Sean A. Passino  
Attorney for Applicant  
Registration No. 45,943

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted: SEP 13 2007

(use as many sheets as necessary)

Sheet

1

of 12

Complete if Known

Application Number	10/679,611
Filing Date	10/06/2003
First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Loreno

SEP 13 2007



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	B1	2001/0038803	11-2001	Morales et al.	
	B2	2002/0033131	03-2002	Bostrom et al.	
	B3	2002/0100164 A1	08-2002	Tanaka et al.	
	B4	2002/0149656 A1	10-2002	Nohr et al.	
	B5	2003/0017336 A1	01/23/2003	Gedanken et al.	
	B6	2003/0035955	02-2003	Yadav, Tapesh	
	B7	2003/0102099	06/05/2003	YADAV ET AL	
	B8	2003/0122114	07/2003	Dobler et al.	
	B9	2003/0124050	07/03/2003	YADAV ET AL	
	B10	2003/0199524 A1	10-2003	Yadav et al.	
	B11	2003/0209057 A1	11-2003	Yadav et al.	
	B12	2003/0207978 A1	11-2003	Yadav et al.	
	B13	2003/0207977 A1	11-2003	Yadav et al.	
	B14	2003/0207112 A1	11-2003	Yadav, Tapesh	
	B15	2003/0224214	12/2003	Garito et al.	
	B16	2004/0021133	02/2004	Nagpal et al.	
	B17	2004/0127987	07-2004	Evans et al.	
	B18	2004/0139820 A1	07/22/2004	Kodas et al.	
	B19	2004/0180203 A1	09-2004	Yadav et al.	
	B20	2004/0178530 A1	09/16/2004	Yadav et al.	
	B21	2004/0233526	11/2004	Kaminsky et al.	
	B22	3,531,413	09/29/1970	Rosenzweig	
	B23	3,565,676	02/12/1971	Holzl	
	B24	3,635,819	01/18/1972	Kaiser	
	B25	3,700,575	10/24/1972	Paine	
	B26	3,734,790	05/22/1973	Kirschenbaum	
	B27	3,764,540	10/09/1973	Khalafalla et al.	
	B28	3,806,449	04/23/1974	Kaiser	
	B29	3,905,109	09-1975	Cohen et al.	
	B30	3,917,538	11/04/1975	Rosenzweig	
	B31	3,981,844	09/21/1976	Romanikw	
	B32	4,017,820 A	04/12/1977	Ross	
	B33	4,019,994	04/26/1977	Kelley	
	B34	4,094,804	06/13/1978	Shimoizaka	
	B35	4,208,294	06/17/1980	Khalafalla et al.	
	B36	4,234,437	11/18/1980	Frberg et al.	
	B37	4,252,678	02/24/1981	Smith	
	B38	4,280,918	07/28/1981	Homola et al.	
	B39	4,292,029	09/1981	Craig et al.	
	B40	4,315,827	02/16/1982	Bottenberg et al.	

Examiner  
Signature

ALL REFERENCES CONSIDERED EXCEPT WHERE LINES

DRAFT  
THROUGH J.L.J.  
Considered

J/L/J 10/15/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.4) 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated in the legend under WIPO Standard ST.16 if applicable. 6 Applicant is to place a checkmark here if English language translation is attached. This collection of information is required by 37 CFR 1.52, 1.53, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 1.100, 1.101, 1.102, 1.103, 1.104, 1.105, 1.106, 1.107, 1.108, 1.109, 1.110, 1.111, 1.112, 1.113, 1.114, 1.115, 1.116, 1.117, 1.118, 1.119, 1.120, 1.121, 1.122, 1.123, 1.124, 1.125, 1.126, 1.127, 1.128, 1.129, 1.130, 1.131, 1.132, 1.133, 1.134, 1.135, 1.136, 1.137, 1.138, 1.139, 1.140, 1.141, 1.142, 1.143, 1.144, 1.145, 1.146, 1.147, 1.148, 1.149, 1.150, 1.151, 1.152, 1.153, 1.154, 1.155, 1.156, 1.157, 1.158, 1.159, 1.160, 1.161, 1.162, 1.163, 1.164, 1.165, 1.166, 1.167, 1.168, 1.169, 1.170, 1.171, 1.172, 1.173, 1.174, 1.175, 1.176, 1.177, 1.178, 1.179, 1.180, 1.181, 1.182, 1.183, 1.184, 1.185, 1.186, 1.187, 1.188, 1.189, 1.190, 1.191, 1.192, 1.193, 1.194, 1.195, 1.196, 1.197, 1.198, 1.199, 1.200, 1.201, 1.202, 1.203, 1.204, 1.205, 1.206, 1.207, 1.208, 1.209, 1.210, 1.211, 1.212, 1.213, 1.214, 1.215, 1.216, 1.217, 1.218, 1.219, 1.220, 1.221, 1.222, 1.223, 1.224, 1.225, 1.226, 1.227, 1.228, 1.229, 1.230, 1.231, 1.232, 1.233, 1.234, 1.235, 1.236, 1.237, 1.238, 1.239, 1.240, 1.241, 1.242, 1.243, 1.244, 1.245, 1.246, 1.247, 1.248, 1.249, 1.250, 1.251, 1.252, 1.253, 1.254, 1.255, 1.256, 1.257, 1.258, 1.259, 1.2510, 1.2511, 1.2512, 1.2513, 1.2514, 1.2515, 1.2516, 1.2517, 1.2518, 1.2519, 1.2520, 1.2521, 1.2522, 1.2523, 1.2524, 1.2525, 1.2526, 1.2527, 1.2528, 1.2529, 1.2530, 1.2531, 1.2532, 1.2533, 1.2534, 1.2535, 1.2536, 1.2537, 1.2538, 1.2539, 1.2540, 1.2541, 1.2542, 1.2543, 1.2544, 1.2545, 1.2546, 1.2547, 1.2548, 1.2549, 1.2550, 1.2551, 1.2552, 1.2553, 1.2554, 1.2555, 1.2556, 1.2557, 1.2558, 1.2559, 1.25510, 1.25511, 1.25512, 1.25513, 1.25514, 1.25515, 1.25516, 1.25517, 1.25518, 1.25519, 1.25520, 1.25521, 1.25522, 1.25523, 1.25524, 1.25525, 1.25526, 1.25527, 1.25528, 1.25529, 1.25530, 1.25531, 1.25532, 1.25533, 1.25534, 1.25535, 1.25536, 1.25537, 1.25538, 1.25539, 1.25540, 1.25541, 1.25542, 1.25543, 1.25544, 1.25545, 1.25546, 1.25547, 1.25548, 1.25549, 1.25550, 1.25551, 1.25552, 1.25553, 1.25554, 1.25555, 1.25556, 1.25557, 1.25558, 1.25559, 1.25560, 1.25561, 1.25562, 1.25563, 1.25564, 1.25565, 1.25566, 1.25567, 1.25568, 1.25569, 1.25570, 1.25571, 1.25572, 1.25573, 1.25574, 1.25575, 1.25576, 1.25577, 1.25578, 1.25579, 1.25580, 1.25581, 1.25582, 1.25583, 1.25584, 1.25585, 1.25586, 1.25587, 1.25588, 1.25589, 1.25590, 1.25591, 1.25592, 1.25593, 1.25594, 1.25595, 1.25596, 1.25597, 1.25598, 1.25599, 1.255100, 1.255101, 1.255102, 1.255103, 1.255104, 1.255105, 1.255106, 1.255107, 1.255108, 1.255109, 1.255110, 1.255111, 1.255112, 1.255113, 1.255114, 1.255115, 1.255116, 1.255117, 1.255118, 1.255119, 1.255120, 1.255121, 1.255122, 1.255123, 1.255124, 1.255125, 1.255126, 1.255127, 1.255128, 1.255129, 1.255130, 1.255131, 1.255132, 1.255133, 1.255134, 1.255135, 1.255136, 1.255137, 1.255138, 1.255139, 1.255140, 1.255141, 1.255142, 1.255143, 1.255144, 1.255145, 1.255146, 1.255147, 1.255148, 1.255149, 1.255150, 1.255151, 1.255152, 1.255153, 1.255154, 1.255155, 1.255156, 1.255157, 1.255158, 1.255159, 1.255160, 1.255161, 1.255162, 1.255163, 1.255164, 1.255165, 1.255166, 1.255167, 1.255168, 1.255169, 1.255170, 1.255171, 1.255172, 1.255173, 1.255174, 1.255175, 1.255176, 1.255177, 1.255178, 1.255179, 1.255180, 1.255181, 1.255182, 1.255183, 1.255184, 1.255185, 1.255186, 1.255187, 1.255188, 1.255189, 1.255190, 1.255191, 1.255192, 1.255193, 1.255194, 1.255195, 1.255196, 1.255197, 1.255198, 1.255199, 1.255200, 1.255201, 1.255202, 1.255203, 1.255204, 1.255205, 1.255206, 1.255207, 1.255208, 1.255209, 1.255210, 1.255211, 1.255212, 1.255213, 1.255214, 1.255215, 1.255216, 1.255217, 1.255218, 1.255219, 1.255220, 1.255221, 1.255222, 1.255223, 1.255224, 1.255225, 1.255226, 1.255227, 1.255228, 1.255229, 1.255230, 1.255231, 1.255232, 1.255233, 1.255234, 1.255235, 1.255236, 1.255237, 1.255238, 1.255239, 1.255240, 1.255241, 1.255242, 1.255243, 1.255244, 1.255245, 1.255246, 1.255247, 1.255248, 1.255249, 1.255250, 1.255251, 1.255252, 1.255253, 1.255254, 1.255255, 1.255256, 1.255257, 1.255258, 1.255259, 1.255260, 1.255261, 1.255262, 1.255263, 1.255264, 1.255265, 1.255266, 1.255267, 1.255268, 1.255269, 1.255270, 1.255271, 1.255272, 1.255273, 1.255274, 1.255275, 1.255276, 1.255277, 1.255278, 1.255279, 1.255280, 1.255281, 1.255282, 1.255283, 1.255284, 1.255285, 1.255286, 1.255287, 1.255288, 1.255289, 1.255290, 1.255291, 1.255292, 1.255293, 1.255294, 1.255295, 1.255296, 1.255297, 1.255298, 1.255299, 1.255300, 1.255301, 1.255302, 1.255303, 1.255304, 1.255305, 1.255306, 1.255307, 1.255308, 1.255309, 1.255310, 1.255311, 1.255312, 1.255313, 1.255314, 1.255315, 1.255316, 1.255317, 1.255318, 1.255319, 1.255320, 1.255321, 1.255322, 1.255323, 1.255324, 1.255325, 1.255326, 1.255327, 1.255328, 1.255329, 1.255330, 1.255331, 1.255332, 1.255333, 1.255334, 1.255335, 1.255336, 1.255337, 1.255338, 1.255339, 1.255340, 1.255341, 1.255342, 1.255343, 1.255344, 1.255345, 1.255346, 1.255347, 1.255348, 1.255349, 1.255350, 1.255351, 1.255352, 1.255353, 1.255354, 1.255355, 1.255356, 1.255357, 1.255358, 1.255359, 1.255360, 1.255361, 1.255362, 1.255363, 1.255364, 1.255365, 1.255366, 1.255367, 1.255368, 1.255369, 1.255370, 1.255371, 1.255372, 1.255373, 1.255374, 1.255375, 1.255376, 1.255377, 1.255378, 1.255379, 1.255380, 1.255381, 1.255382, 1.255383, 1.255384, 1.255385, 1.255386, 1.255387, 1.255388, 1.255389, 1.255390, 1.255391, 1.255392, 1.255393, 1.255394, 1.255395, 1.255396, 1.255397, 1.255398, 1.255399, 1.255400, 1.255401, 1.255402, 1.255403, 1.255404, 1.255405, 1.255406, 1.255407, 1.255408, 1.255409, 1.255410, 1.255411, 1.255412, 1.255413, 1.255414, 1.255415, 1.255416, 1.255417, 1.255418, 1.255419, 1.255420, 1.255421, 1.255422, 1.255423, 1.255424, 1.255425, 1.255426, 1.255427, 1.255428, 1.255429, 1.255430, 1.255431, 1.255432, 1.255433, 1.255434, 1.255435, 1.255436, 1.255437, 1.255438, 1.255439, 1.255440, 1.255441, 1.255442, 1.255443, 1.255444, 1.255445, 1.255446, 1.255447, 1.255448, 1.255449, 1.255450, 1.255451, 1.255452, 1.255453, 1.255454, 1.255455, 1.255456, 1.255457, 1.255458, 1.255459, 1.255460, 1.255461, 1.255462, 1.255463, 1.255464, 1.255465, 1.255466, 1.255467, 1.255468, 1.255469, 1.255470, 1.255471, 1.255472, 1.255473, 1.255474, 1.255475, 1.255476, 1.255477, 1.255478, 1.255479, 1.255480, 1.255481, 1.255482, 1.255483, 1.255484, 1.255485, 1.255486, 1.255487, 1.255488, 1.255489, 1.255490, 1.255491, 1.255492, 1.255493, 1.255494, 1.255495, 1.255496, 1.255497, 1.255498, 1.255499, 1.255500, 1.255501, 1.255502, 1.255503, 1.255504, 1.255505, 1.255506, 1.255507, 1.255508, 1.255509, 1.255510, 1.255511, 1.255512, 1.255513, 1.255514, 1.255515, 1.255516, 1.255517, 1.255518, 1.255519, 1.255520, 1.255521, 1.255522, 1.255523, 1.255524, 1.255525, 1.255526, 1.255527, 1.255528, 1.255529, 1.255530, 1.255531, 1.255532, 1.255533, 1.255534, 1.255535, 1.255536, 1.255537, 1.255538, 1.255539, 1.255540, 1.255541, 1.255542, 1.255543, 1.255544, 1.255545, 1.255546, 1.255547, 1.255548, 1.255549, 1.255550, 1.255551, 1.255552, 1.255553, 1.255554, 1.255555, 1.255556, 1.255557, 1.255558, 1.255559, 1.255560, 1.255561, 1.255562, 1.255563, 1.255564, 1.255565, 1.255566, 1.255567, 1.255568, 1.255569, 1.255570, 1.255571, 1.255572, 1.255573, 1.255574, 1.255575, 1.255576, 1.255577, 1.255578, 1.255579, 1.255580, 1.255581, 1.255582, 1.255583, 1.255584, 1.255585, 1.255586, 1.255587, 1.255588, 1.255589, 1.255590, 1.255591, 1.255592, 1.255593, 1.255594, 1.255595, 1.255596, 1.255597, 1.255598, 1.255599, 1.255600, 1.255601, 1.255602, 1.255603, 1.255604, 1.255605, 1.255606, 1.255607, 1.255608, 1.255609, 1.255610, 1.255611, 1.255612, 1.255613, 1.255614, 1.255615, 1.255616, 1.255617, 1.255618, 1.255619, 1.255620, 1.255621, 1.255622, 1.255623, 1.255624, 1.255625, 1.255626, 1.255627, 1.255628, 1.255629, 1.255630, 1.255631, 1.255632, 1.255633, 1.255634, 1.255635, 1.255636, 1.255637, 1.255638, 1.255639, 1.255640, 1.255641, 1.255642, 1.255643, 1.255644, 1.255645, 1.255646, 1.255647, 1.255648, 1.255649, 1.255650, 1.255651, 1.255652, 1.255653, 1.255654, 1.255655, 1.255656, 1.255657, 1.255658, 1.255659, 1.255660, 1.255661, 1.255662, 1.255663, 1.255664, 1.255665, 1.255666,

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: SEP 13 2007

(use as many sheets as necessary)

Sheet

2

of 12

**Complete if Known**

<b>Application Number</b>	10/679,611
<b>Filing Date</b>	10/06/2003
<b>First Named Inventor</b>	Tapesha Yadav
<b>Art Unit</b>	1755
<b>Examiner Name</b>	Jerry A. Lorendo
<b>Attorney Docket Number</b>	037768-0137

**U.S. PATENT DOCUMENTS**

	Document Number		
B41	4,329,241	05/11/1982	Massart
B42	4,356,098	10/26/1982	Chegnon
B43	4,381,244	04/26/1983	Berkowitz et al.
B44	4,381,922 A	05/03/1983	Frey et al.
B45	4,416,721	11/22/1983	Deregibus
B46	4,426,356	01/17/1984	Nair
B47	4,430,239	02/07/1984	Wyman
B48	4,453,199	06/05/1984	Ritchie et al.
B49	4,484,943	11/27/1984	Miura et al.
B50	4,485,085	11/27/1984	David et al.
B51	4,534,917	08/13/1985	Walz
B52	4,584,244	04-1986	Fenton, Jeff T.
B53	4,588,575	05/13/1986	David
B54	4,588,575	05/13/1986	David
B55	4,609,608	09/02/1986	Solic
B56	4,610,857	09/09/1986	Ogawa et al.
B57	4,619,845	10/28/1986	Ayers et al.
B58	4,631,952	12/30/1986	Donaghey
B59	4,642,207 A	02/01/1987	Uda et al.
B60	4,701,218	10-1987	Barker et al.
B61	4,721,610	01/26/1988	Yoshida et al.
B62	4,760,298	07/26/1988	Johnson et al.
B63	4,842,832	06/27/1989	Inoue et al.
B64	4,851,262	07/25/1989	McFeaters
B65	4,857,492	08/15/1989	Bradley et al.
B66	4,944,985	07-1990	Alexander et al.
B67	4,984,446	01/15/1991	Yagawara et al.
B68	4,988,539	01/29/1991	Breuil et al.
B69	5,011,627	04-1991	Lutz et al.
B70	5,030,669	07-1991	Hendrickson et al.
B71	5,093,286	03/03/1992	Nogami et al.
B72	5,127,951	07-1992	Imasato et al.
B73	5,128,081 A	07/01/1992	Siegel et al.
B74	5,130,210	07/14/1992	Iwasaki et al.
B75	5,130,277	07/14/1992	Ueda et al.
B76	5,134,039	07-1992	Alexander et al.
B77	5,147,448 A	09/01/1992	Roberts et al.
B78	5,149,381 A	09/01/1992	Grewe et al.
B79	5,149,596 A	09/01/1992	Smith et al.
B80	5,180,394	01-1993	Davidson, James A.
B81	5,180,650 A	01-1993	Sacripante et al.
B82	5,187,209	02/16/1993	Hirai et al.
B83	5,190,583	03/02/1993	Menzel et al.

Examiner  
SignatureALL REFERENCES CONSIDERED EXCEPT WHERE LINE  THROUGH. /J.L./ /J.L./ 10/15/2008  
 Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.1) 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if applicable. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.9. No information contained in this collection is mandatory; however, there is a legal duty which is to file (or by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

SEP 13 2007

Date Submitted:

(use as many sheets as necessary)

Sheet

3

of 12

## Complete if Known

Application Number	10/679,611
Filing Date	10/06/2003
First Named Inventor	Tapesha Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorengu
Attorney Docket Number	037768-0137

## U.S. PATENT DOCUMENTS

	Document Number	
B84	5,194,128	03/16/1993
B85	5,215,580 A	06-1993
B86	5,252,949	10/12/1993
B87	5,258,338	11/02/1993
B88	5,264,157	11/23/1993
B89	5,308,804	05/03/1994
B90	5,334,292	08/02/1994
B91	5,338,430 A	08/01/1994
B92	5,350,641	09/27/1994
B93	5,355,764 A	10/01/1994
B94	5,356,120	10/18/1994
B95	5,356,842	10/18/1994
B96	5,368,951	11/29/1994
B97	5,381,664	01/17/1995
B98	5,385,776 A	01/31/1995
B99	5,387,462	02/07/1995
B100	5,403,375	04/04/1995
B101	5,407,458	04/18/1995
B102	5,414,588	05/09/1995
B103	5,417,956	05/23/1995
B104	5,420,083	05/30/1995
B105	5,427,672	06/27/1995
B106	5,433,906	07/18/1995
B107	5,447,708	09/05/1995
B108	5,450,830 A	10/24/1995
B109	5,462,751 A	10/13/1995
B110	5,462,903	10/31/1995
B111	5,466,575	11/14/1995
B112	5,466,587	11-1995
B113	5,466,652 A	11/14/1995
B114	5,468,358 A	11/21/1995
B115	5,472,477	12/05/1995
B116	5,476,003	12/19/1995
B117	5,482,656	01/09/1996
B118	5,486,277	01/23/1996
B119	5,486,277	01/23/1996
B120	5,486,435 A	01/01/1996
B121	5,486,675 A	01/01/1996
B122	5,489,449	02/06/1996
B123	5,503,081 A	04/01/1996
B124	5,507,965 A	04/01/1996
B125	5,514,734	05/1996
B126	5,518,810	05/21/1996

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. J.L./ /J.L./ 10/15/2008

Date

Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.1). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. This selection is optional. It is recommended to attach a copy of the original document which is to be retained by the USPTO. 7 Indicate the type of document which is to be filed with the USPTO (process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to cost 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: SEP 13 2007

(use as many sheets as necessary)

Sheet

4

of

12

**Complete if Known**

<b>Application Number</b>	10/679,611
<b>Filing Date</b>	10/06/2003
<b>First Named Inventor</b>	Tapesha Yadav
<b>Art Unit</b>	1755
<b>Examiner Name</b>	Jerry A. Lorendo
<b>Attorney Docket Number</b>	037768-0137

**U.S. PATENT DOCUMENTS**

	Document Number		
B127	5,527,849	06/18/1996	Roman et al.
B128	5,539,965	07/30/1996	Safari et al.
B129	5,548,000 A	08/20/1996	Nagel et al.
B130	5,548,474	08/20/1996	Chen et al.
B131	5,549,700	08-1996	Graham et al.
B132	5,554,670	09/1996	Giannelis et al.
B133	5,560,960	10/01/1996	Singh et al.
B134	5,569,561 A	10/01/1996	Exnar et al.
B135	5,571,401	11/05/1996	Lewis et al.
B136	5,571,612	11/05/1996	Motohiré et al.
B137	5,590,387	12/31/1996	Schmidt et al.
B138	5,593,939	01-1997	Saito et al.
B139	5,614,011	03-25-1997	Binder et al.
B140	5,618,475 A	04/08/1997	Johnson et al.
B141	5,624,718 A	04/01/1997	Dearney
B142	5,629,075 A	05/13/1997	Ishikawa et al.
B143	5,629,474	05/13/1997	Williams
B144	5,635,654	06/03/1997	Hebsur et al.
B145	5,650,156 A	07/22/1997	Grinstaff et al.
B146	5,665,277 A	09/01/1997	Johnson et al.
B147	5,665,807	09/09/1997	Roman et al.
B148	5,679,471	10/21/1997	Cheng et al.
B149	5,681,575	10/28/1997	BURRELL ET AL
B150	5,688,417 A	11/01/1997	Cadre et al.
B151	5,690,706	11/25/1997	Sigalas et al.
B152	5,709,786	01/20/1998	Friese et al.
B153	5,714,536	02/1998	Ziolo et al.
B154	5,718,047	02-1998	Nakayama et al.
B155	5,720,805 A	02-1998	Wellinghoff et al.
B156	5,726,247	03/1998	Michalczyk et al.
B157	5,739,193	04/14/1998	Walpita et al.
B158	5,764,004	06/09/1998	Rabinowitz
B159	5,770,022 A	06/01/1998	Chang et al.
B160	5,770,126 A	06-1998	Singh et al.
B161	5,788,738	08/04/1998	PIRZADA ET AL
B162	5,840,387	11-1998	Berlowitz-Tarrant et al.
B163	5,851,507	12/22/1998	PRIZADA ET AL
B164	5,858,080 A	01-1999	Bugnon, Philippe
B165	5,874,134 A	02/01/1999	Rao et al.
B166	5,876,683 A	03/01/1999	Glumac et al.
B167	5,876,683 A	03/01/1999	Glumac et al.
B168	5,880,197 A	03/09/1999	Beall et al.
B169	5,891,986	04-1999	Yamaguchi et al.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED OUT THROUGH J.L. /J.L./ 10/15/2008

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.16) if applicable. 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated in the legend. 6 Standard ST.16 is preferable. The information is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.57(b). The information will not be disclosed outside the USPTO without a signed written consent of the applicant (or assignee) to process it by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**Date Submitted: SEP 13 2007

(use as many sheets as necessary)

Sheet 5 of 12**Complete if Known**

<b>Application Number</b>	10/679,611
<b>Filing Date</b>	10/06/2003
<b>First Named Inventor</b>	Tapesha Yadav
<b>Art Unit</b>	1755
<b>Examiner Name</b>	Jerry A. Loreno
<b>Attorney Docket Number</b>	037768-0137

**U.S. PATENT DOCUMENTS**

	Document Number		
B170	5,897,945	04/27/1999	Lieber et al.
B171	5,905,000 A	05/18/1999	Yadav et al.
B172	5,922,537 A	07/13/1999	Ewart et al.
B173	5,935,461 A	08/01/1999	Witherspoon et al.
B174	5,939,146 A	08/17/1999	Lavernia
B175	5,952,040 A	09/01/1999	Yadav et al.
B176	5,981,415 A	11/09/1999	Waku et al.
B177	5,984,997 A	11/16/1999	Bickmore et al.
B178	5,989,648 A	11/23/1999	Phillips
B179	6,020,419	02/01/2000	Bock et al.
B180	6,027,742 A	02/22/2000	Lee et al.
B181	6,036,774	03/2000	Lieber et al.
B182	6,042,900 A	03/01/2000	Rakhimov et al.
B183	6,045,925 A	04/04/2000	Klabunde et al.
B184	6,057,637	05/02/2000	Zettl et al.
B185	6,065,476	05-2000	Agrawal et al.
B186	6,080,232	06-27-2000	Sperlich et al.
B187	6,109,095 A	08/29/2000	Addiego
B188	6,110,266	08/29/2000	Gonzales-Blanco et al.
B189	6,110,399 A	08/29/2000	McArdle et al.
B190	6,110,557 A	08/29/2000	Weil et al.
B191	6,114,038 A	09/05/2000	Castro et al.
B192	6,117,541 A	09/12/2000	Frisk
B193	6,127,450 A	10/03/2000	Angeletakis
B194	6,132,563 A	10/01/2000	Frach et al.
B195	6,132,905 A	10/01/2000	Kumar et al.
B196	6,139,618 A	10-2000	Hayashi et al.
B197	6,143,356	11-2000	Jablonski, Gregory A.
B198	6,162,532 A	12/09/2000	Black et al.
B199	6,165,247	12/26/2000	Kodas et al.
B200	6,170,292	01-09-2001	Boulos et al.
B201	6,180,389 B1	01/30/2001	Douglas et al.
B202	6,194,481 B1	02/27/2001	Furman et al.
B203	6,214,368 B1	04/ 10/2001	Lee et al.
B204	6,228,904	05/2001	Yadav et al.
B205	6,258,417 B1	07/10/2002	Goswami et al.
B206	6,258,974 B1	07/10/2001	Wellinghoff et al.
B207	6,261,484 B1	07/17/2001	Phillips et al.
B208	6,268,054 B1	07/31/2001	Costantino et al.
B209	6,268,222	07/31/2001	Chandler et al.
B210	6,270,347 B1	08/07/2001	Webster et al.
B211	6,291,070 B1	09/18/2001	Arpac et al.
B212	6,294,009 B1	09-25-2001	Letschert et al.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH: /J.L.

Examiner  
SignatureDate  
Considered

/J.L. / 10/15/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The burden of collection is estimated to be 0.2 hours per response. This collection will be used to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. This will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTDate Submitted: SEP 13 2007

(use as many sheets as necessary)

Sheet

6

of 12

## Complete if Known

Application Number	10/679,611
Filing Date	10/06/2003
First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorendo

Attorney Docket Number

037768-0137

## U.S. PATENT DOCUMENTS

	Document Number		
B213	6,299,937	10-2001	Richard, Douglas
B214	6,300,640 B1	10/09/2001	Bhargava et al.
B215	6,306,610 B1	10/23/2001	Bawendi et al.
B216	6,312,831 B1	11-06-2001	Crawley et al.
B217	6,326,144 B1	12/04/2001	Bawendi et al.
B218	6,328,798	12-2001	Bostrom et al.
B219	6,331,312 B1	12/18/2001	Lee et al.
B220	6,344,271	02-2002	Yadav et al.
B221	6,361,161 B1	03-2002	Anstadt et al.
B222	6,375,864	04/23/2002	Phillips et al.
B223	6,387,519	05-14-2002	Anderson et al.
B224	6,387,981 B1	05/14/2002	Zhang et al.
B225	6,399,037 B1	06/04/2002	Pflug et al.
B226	6,410,765 B1	06/25/2002	Wellinghoff et al.
B227	6,413,638	07/02/2002	Mager et al.
B228	6,416,818	07/09/2002	Aiken et al.
B229	6,416,868 B1	07/09/2002	Sullivan et al.
B230	6,417,127 B1	07/09/2002	Yamamoto et al.
B231	6,419,989	07-16-2002	Betz et al.
B232	6,432,526	08/13/2002	Arney et al.
B233	6,432,866 B1	08/13/2002	Tennent et al.
B234	6,440,243 B1	08/27/2002	Tan et al.
B235	6,440,561 B2	08-2002	Hayashi et al.
B236	6,447,806	09-10-2002	Gassmann et al.
B237	6,447,848 B1	09/10/2002	Chow et al.
B238	6,467,897	10/22/2002	Wu et al.
B239	6,468,497 B1	10/01/2002	Khan et al.
B240	6,468,808 B1	10/22/2002	Nie et al.
B241	6,479,156 B1	11/12/2002	Schmidt et al.
B242	6,485,557 B1	11-26-2002	Swiler
B243	6,497,729	12-2002	Moussy et al.
B244	6,498,208 B2	12/24/2002	Border et al.
B245	6,503,316 B1	01-07-2003	Sakoski et al.
B246	6,503,475 B1	01/07/2003	McCormick et al.
B247	6,528,029 B1	03/04/2003	Dettling et al.
B248	6,541,112 B1	04-01-2003	Swiler
B249	6,548,171 B1	04/15/2003	Barbera-Guillem et al.
B250	6,569,397	05/27/2003	YADAV ET AL.
B251	6,572,672	06-2003	Yadav et al.
B252	6,572,693 B1	06/03/2003	Wu et al.
B253	6,589,312 B1	07/08/2003	Snow et al.
B254	6,600,127 B1	07/01/2003	Peterson et al.
B255	6,602,595 B2	08-2003	Yadav et al.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. J.L./

Date

Considered

J.L./ 10/15/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04, 3 Enter Office that issued the document, by the two letter code (WIPO Standard ST.16) if possible. 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This communication or reference is governed by 37 CFR 1.97 and 1.98. The time limit is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Considerability is governed by 35 U.S.C. 122 and 37 CFR 1.101. This selection is required to take effect if a complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Date Submitted: SEP 13 2007

(use as many sheets as necessary)

Sheet

7

of

12

## Complete if Known

Application Number	10/679,611
Filing Date	10/06/2003
First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorendo
Attorney Docket Number	037768-0137

## U.S. PATENT DOCUMENTS

Document Number			
B256 6,616,968	09-2003	Bostrom et al.	
B257 6,623,557 B2	09-2003	Hayashi et al.	
B258 6,652,967	11/25/2003	Yadav et al.	
B259 6,653,356	11/25/2003	Sherman	
B260 6,663,948 B1	12/16/2003	Takiyama et al.	
B261 6,667,360 B1	12/23/2003	Ng et al.	
B262 6,680,279	01/20/2004	Cai et al.	
B263 6,682,872 B2	01/27/2004	Sachdev et al.	
B264 6,689,192 B1	02/01/2004	Phillips et al.	
B265 6,689,823 B1	02/10/2004	Bellare et al.	
B266 6,693,143 B2	02/17/2004	Pflug	
B267 6,716,525	04-2004	Yadav et al.	
B268 6,726,992	04/27/2004	Yadav et al.	
B269 6,746,791	06/2004	Yadav et al.	
B270 6,800,127 B2	10-2004	Babler, Fridolin	
B271 6,830,710	12-2004	Bennett et al.	
B272 6,830,822	12-2004	Yadav, Tapesh	
B273 6,849,109 B2	02-2005	Yadav et al.	
B274 6,855,426	02-2005	Yadav, Tapesh	
B275 6,855,749	02-2005	Yadav et al.	
B276 6,916,872	07/2005	Yadav et al.	
B277 6,933,331	08-2005	Yadav et al.	

## UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	B278	10/424,395	04-28-2003		
	B279	10/434,828	05-09-2003		
	B280	10/435,287	05-09-2003		
	B281	10/435,222	05-20-2003		
	B282	10/441,501	05-20-2003		
	B283	10/679,611	10-06-2003		
	B284	10/426,414	04-30-2003		

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>4</sup> Number <sup>5</sup> Kind Code <sup>6</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. J.I.L./

Date Considered

J.I.L/ 10/15/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Appellant is to place a check mark here if English language Translation is attached. This section is for the examination of applications filed under 35 U.S.C. 111(b) or 37 CFR 1.48(d). This section is to be used (a) by the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This section is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

SEP 13 2007

Date Submitted:

(use as many sheets as necessary)

Sheet

8

of

12

## Complete if Known

Application Number	10/679,611
Filing Date	10/08/2003
First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorendo

Attorney Docket Number 037768-0137

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> *Number <sup>3</sup> Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	B285	DE 4238688	05/19/1994	Friese, Karl-Hermann		
	B286	EP 0 004 859 B1	10/31/1979	Chemische Werke Hüls AG		
	B287	EP 0 084 769 A2	08-1983	EPO		
	B288	EP 0 550 874 A1	07/14/1993	Corning Incorporated		
	B289	EP 0 730 885 B1	10/09/1996	dmc2 Degussa Metals Catalysts Cerdec AG		
	B290	EP 0 810 259 A1	12/03/1997	Bayer AG		
	B291	FR 2 722 492	01/19/1996	Sumitomo Chemical Company Limited		
	B292	JP 08261979	11/10/1996			
	B293	JP 102110	04/01/1990			
	B294	JP 102110	06/01/1998			
	B295	JP 60-196659	05/10/1985			
	B296	RU 1654258	06/01/1993			
	B297	WO 91/06036 A	05/02/1991	Research Corporation Technologies, Inc.		
	B298	WO 94/01143	01/20/1994	W.R. Grace & Co.-Conn.		
	B299	WO 95/00609	01/05/1995	Fraction-Nement Tidiaux S.A.		
	B300	WO 95/01643 A	01/12/1995	Carnegie Mellon University		
	B301	WO 96/29711	09/26/1996	Raychem Corporation		
	B302	WO 97/15935	05/01/1997	Mitsubishi Materials Corporation		
	B303	WO 97/16479	05/09/1997	Institut Für Neue Materialien Gemeinnützige GMBH		
	B304	WO 97/24297	07/10/1997	Exxon Research and Engineering Company		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	B305	Beck and Siegel, "J. Mater. Res.", 7, 2840 (1992).	
	B306	Bronstein et al., "Nanodispersed Cobalt Particles in a Thermolyzed Poly(acrylonitrile) Matrix," J. Mater. Chem., 5(8):1197-1201, 1995. Month unavailable and not in issue.	

Examiner Signature

ALL REFERENCES CONSIDERED EXCEPT WHERE LINE ~~1~~ THROUGH ~~1~~ /J.L./ /J.L./ 10/15/2008

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. This form is not valid for use in the Patent and Trademark Office to obtain or retain a trademark registration. This form is to be filed with the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. The condition is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	10/679,611
Date Submitted: <u>SEP 13 2007</u>		<b>Filing Date</b>	10/06/2003
(use as many sheets as necessary)		<b>First Named Inventor</b>	Tapesh Yadav
Sheet	9	<b>Art Unit</b>	1755
	of 12	<b>Examiner Name</b>	Jerry A. Lorendo
		<b>Attorney Docket Number</b>	037768-0137

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
	B307	Buhr et al., "Semiconductor Nanocrystals Shape Matters," <i>Nature Materials</i> , vol. 2, Mar. 2003.
	B308	Burdon et al., "Control of particle size and orientation during <i>in situ</i> precipitation of oxides in polymers" <i>Mat Res. Soc. Symp Proc</i> (1993) vol. 286 (Nanophase and Nanocomposite Materials) pp. 315-320.
	B309	Chen et al., "Homogeneous dispersion of Nanosstructured Aluminum Nitride in a Polyimide Matrix," <i>Advanced Materials</i> , 1994(6):481-484, 1994. Month unavailable and not in issue.
	B310	Chen et al., "Preparation of nanoscale iron and Fe <sub>3</sub> O <sub>4</sub> powders in a polymer matrix" <i>J. Mat. Sci.</i> , 32:3571-3575, Jul. 1, 1997.
	B311	Definition of "pigment": <i>Grant &amp; Hackh's Chemical Dictionary</i> , 1989.
	B312	Definition of "pigment": <i>Hawley's Condensed Chemical Dictionary</i> , 1993.
	B313	Duan et al., "High-performance thin-film transistors using semiconductor nanowires and nanoribbons," <i>J. Nature</i> , vol. 425, 9/18/2003, pp. 274-178.
	B314	Eastman et al., "Processing and Properties of Nanophase Oxides," <i>Mater Res. Soc. Symp. Proc.</i> , 155, 255, 1989.
	B315	Edlund et al., "Thin-film polymeric sensors for detection and quantification of multivalent metal ions". <i>Sensors and Actuators B</i> . 10; 188-190, 1993.
	B316	Gaggiotti et al. "Surface chemistry of tin oxide based gas sensors", <i>Appl. Phys.</i> , 76(8):4467-71, Oct. 15, 1994.
	B317	Gaggiotti et al., "Temperature dependencies of sensitivity and surface chemical composition of SnO <sub>2</sub> gas sensors", <i>Elsevier Sci., S.A.</i> , 516-19, (1995).
	B318	Gleiter, H., "Mechanical Properties and Deformation Behavior of Materials Having Ultra-Fine Microstructures," <i>Nastasi et al. Ed.</i> , 3-35 (1993).
	B319	Hahn et al., "Mater. Res. Soc. Symp. Proc.", 196, 71 (1990).
	B320	Hussain et al., "Mechanical property improvement of carbon fiber reinforced epoxy composites by Al <sub>2</sub> O <sub>3</sub> filler dispersion," <i>Materials Letters</i> , 26:185-191, Feb., 1996.

Examiner Signature ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./ /J.L./ 10/15/2008  
Considered

If you need assistance in completing the form, call 1-800-BIG-8128 (1-800-234-8128) and select option 3.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/679,611
Date Submitted: <b>SEP 13 2007</b>				<b>Filing Date</b>	10/06/2003
(use as many sheets as necessary)				<b>First Named Inventor</b>	Tapesh Yadav
Sheet	10	of	12	<b>Art Unit</b>	1755
				<b>Examiner Name</b>	Jerry A. Lorendo
				Attorney Docket Number	
037768-0137					

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>b</sup>
B321	Iwama et al., "Ultrafine Powders of TiN and AlN Produced by a Reactive Gas Evaporation Technique with Electron Beam Heating." Journal of Crystal Growth 56 (1982) 265-269, North-Holland Publishing Company		
B322	Jacobson et al., "Rapid Solidification Processing." Mat. Sci. and Eng., R11.335 (1994).		
B323	Jiang et al., "Crystalline Silver Nanowires by Soft Solution Processing." Nano Letters, Published on Web Jan 3, 2002, vol. 2, No. 2, 165-168.		
B324	Jiang et al., "CuO Nanowires Can be Synthesized by Heating Copper Substrates in Air." Nano Letters, Published on Web Oct. 24, 2002, vol. 2, No. 12, Dec. 2002.		
B325	Jones, H., "Splat Cooling and Metastable Phases." Rep. Prog. Phys. 36, 1025 (1973).		
B326	Jun et al., "Carbon coated Fe/Co and Ni ferromagnetic nanoparticles prepared by modified arc discharge." Proceedings-Electrochemical Society (1996), vol. 3, pp. 681-692.		
B327	Kaiser et al. (IV) J. Applied Phys., 1970, pp. 1064-1072, (41).		
B328	Kirk-Othmer Encyclopedia of Chemical Technology, p. 37, vol. 19.		
B329	Mayo, M.J., Mechanical Properties and Deformation Behavior of Materials Having Ultra-fine Microstructures., 361 (1993).		
B330	Mutsuo et al., "Nanometer-size oxide coating on fine particles surface by local hydrolysis method." Nagoya Kogyo Gijutsu Kenkyusho Hokoku (1995), 44(10), pp. 493-529.		
B331	Nierman et al., "Scripta Metall. et Mater.," 24, 145 (1990).		
B332	Nierman et al., J. Mater. Res., 6, 1012 (1991).		
B333	Phani, A.R., "X-ray photoelectron spectroscopy studies on Pd doped SnO <sub>2</sub> liquid petroleum gas sensor". Appl. Phys. Lett., 71(16); 2358-60, Oct. 20, 1997.		
B334	Serrini "Chemical composition and crystalline structure of SnO <sub>2</sub> thin films used as gas sensors", Elsevier Sci. S.A., 113-22, 1997.		

Examiner Signature	ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./	
	Date Considered	/J.L./ 10/15/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov/mpep/901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indicated is the year of the Japanese Patent Office publication date. Precede the serial number of the patent document by the appropriate symbols as set forth in the document. 5 WIPO Standard ST.5 if possible. 6 Enter the name of the English title of the document, otherwise, enter the name in the language of the original document. This collection of information is required by 37 CFR 1.57 and 1.96. The information is required to obtain or retain a benefit by the public which is to file (or by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/679,611
SEP 13 2007				<b>Filing Date</b>	10/06/2003
Date Submitted: _____				<b>First Named Inventor</b>	Tapesh Yadav
(use as many sheets as necessary)				<b>Art Unit</b>	1755
Sheet	11	of	12	<b>Examiner Name</b>	Jerry A. Lorendo
				<b>Attorney Docket Number</b>	037768-0137

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	B335	Siegel, R. W., Materials Science and Technology, 15, VCH, Weinheim, 583 (1991).	
	B336	Siegel, R. W., "Mechanical Properties and Deformation Behavior of Materials Having Ultra-fine Microstructures," Nastasi et al. Ed., 509 (1993).	
	B337	Shandon et al., "Scripta Metall. et Mater.", 25,2389 (1991).	
	B338	Springer, G. S., "Advances in Heat Transfer," 14, 281-341, Academic Press (1978).	
	B339	Steigerwald and Brus, "Ann. Rev. Mater. Sci." 19, 471 (1989).	
	B340	Sugaya et al., IEEE Trans. on Magnetics, 31, 2197 (1995).	
	B341	Sun et al., "Crystalline Silver Nanowires by Soft Solution Processing," Nano Letters, Published on Web Jan. 3, 2002, 2002, vol. 2, No. 2, pp. 165-168.	
	B342	Tamaki et al., "J. Electrochem. Soc." 141, 2207 (1994).	
	B343	Tomohiro et al., "Influence of oxygen content on the mechanical properties of in-situ forme Si3N4-SiC nanocomposites prepared by carbon coating," Journal of the Ceramic Society of Japan (1995), 103 (Nov.), pp. 1177-1181.	
	B344	Uyeda, R., "Prog. Mater. Sci." 35, 1 (1991), and R. W. Siegel, Materials Science and Technology, 15, VCH, Weinheim, 583 (1991).	
	B345	Uyeda, R., "Studies of Ultrafine Particles in . . .," Prog. Mater. Sci., 35, 1 (1991).	
	B346	Wang et al., "Inorganic Materials Nanocrystals branch out," Nature Materials, vol. 2, Jan. 2003.	
	B347	Wu et al., "Block-by-Block Growth of Single-Crystalline SiSiGe Superlattice Nanowires," Nano Letters, Published on Web Jan. 19, 2002, vol. 2, No. 2, pp. 83-86.	
	B348	Yeack Scranton, "Nanomagnetism," Kluwer Academic, Netherland, 1-6 (1993).	

Examiner Signature	ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. J.L./	Date Entered
		Considered
		/J.L. / 10/15/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov / MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indicated year is the year of filing with the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as specified in the WIPO Standard ST.3. 6 Application number of the document. 7 WIPO Standard ST.3. 8 If the document is a trademark application, the trademark symbol is placed before the serial number. This collection of information is required by 37 CFR 1.87 and 1.98. The information is provided to enable the USPTO to evaluate the application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1449/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		<b>Application Number</b>	10/679,611
Date Submitted: <u>SEP 13 2007</u>		<b>Filing Date</b>	10/06/2003
(use as many sheets as necessary)		<b>First Named Inventor</b>	Tapesh Yadav
Sheet	12	<b>Art Unit</b>	1755
	of 12	<b>Examiner Name</b>	Jerry A. Lorendo
		<b>Attorney Docket Number</b>	037768-0137

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
P-240	Zhang et al., "Lithium Assisted Self-Assembly of Aluminum Carbide Nanowires and Nanoribbons," Nano Letters, Published on Web Dec. 14, 2001; 2002, vol. 2, No. 2, pp. 105-108.		

Examiner Signature ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.L./ J.L. / 10/15/2008  
Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Indicate copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is required to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO in process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Times may vary depending upon the individual case. Any comments on the amount of time required or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-RTD-8128 (1-800-786-8128) and select option 3.